

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The cells on these sheets are protected except for the ones that need information. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name City of La Verne	County Los Angeles		
Authorized Signature	Title		
Type/Print Name of Person Signing	Date	Phone ()	
Person Completing This Form (please print or type)	Title		
Affiliation:			
Residence Address	City	State	ZIP Code
E-mail address			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved base-year: 1990	2. Proposed new generation-based study year: 2000
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3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

This year is representative of a typical year for this jurisdiction in terms of disposal and diversion. The disposal at the landfill has not changed significantly over the past 3 years. In terms of demographics and population, based on the data provided by the CIWMB Diversion Rate Measurement Calculation Sheet, the jurisdiction has experienced a 12.8% increase in its population; a growth in the Residential Sector of 11.0% and a growth in the Non-Residential Sector of 9.2%. No unusual diversion activities were included in this study.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. -57 %	Diversion rate calculated using new generation-based study	b. 31 %
For existing base year pounds/person/day based on generation	6.17	For new generation based study pounds/person/day based on generation	12.47
Residential generation 46 % Non-Residential generation 54 %		Residential generation 44 % Non-Residential generation 56 %	
Population existing generation-based study	30,843		34,800

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

The City conducted a base year study for the year 2000. Since 1990, the City has implemented its SRRE programs and has added new programs. These programs include: xeriscaping on City properties, business waste reduction outreach and surveys over several years, a recycled content materials procurement policy, City source reduction and recycling practices, many thrift and charity stores, curbside recycling and green waste collection, an expanded buy back center, commercial recycling, Christmas tree recycling, tire and metal recycling, wood waste mulching and reuse, in-place asphalt recycling, printed recycling brochures, composting workshops, used toilet recycling, school environmental programs, household hazardous waste roundup events, and recycling at public events. Since 1990, the City's business sector has grown, which is reflected in a larger non-residential generation rate.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

Errors and omissions in the 1990 base year generation tonnage resulted in a negative diversion rate. That base year did not count all the aspects of diversion that are reflected in this report. Many programs have been implemented during the past 10 years, including residential greenwaste and more emphasis has been placed on City promotion and implementation of commercial and residential recycling and reuse programs. Moreover, according to the 1990 base year 532 surveys were mailed out to the business. Of that 171 surveys were usable. The extrapolated waste diversion attributed to the commercial business and industrial recycling was 3,414 tons/year. By contrast, in the year 2000 the actual recycling attributed to the commercial business sector is 4,413 tons/year. In 2000 the annual tonnage was quantified through on-site surveys of 101 businesses. Likewise, according to the 1990 base year, the extrapolated waste diversion attributed to source reduction in the commercial sector was 7,509 tons. The actual source reduction tonnage quantified in 2000 of the 101 businesses is 1,131 tons/year. It appears that the 1990 base year raw data w

7. Disposal Tonnage: (enter values)	27642	27158	54800
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

- a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)
- b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwmrb.ca.gov/gcentral/forms/rynmdrq.doc>)
- c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwmrb.ca.gov/gcentral/forms/rynmdrq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed non-Residential waste audit information in Section 9.

Diverstation Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmrb.ca.gov/gcentral/paris/codes/reduce.htm	(A)	(A) Total Generation			
Residential Activities:					
Source Reduction					
Backyard composting					
Grassrecycling		0.0%			
Other Residential source reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	0	0.0%			
Recycling					

Diversion Activity	Actual tons	Relative Percent to (A) Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmib.ca.gov/lrgcentral/paris/codes/reduce.htm	(A)				
Curbside Recycling			Actual tonnage quantity obtained from the 2000 Recycling Progress Report provided to the City by Waste Management of San Gabriel/Pomona Valley. (This tonnage does not include Department of Conservation California Redemption Value tonnages attributed to the City's Certified Curbside Recycling Program and Certified Recycling Centers)	Waste Management of San Gabriel/Pomona Valleys-City of La Verne: 2000 Recycling Progress Report. Report on file at City Hall.	
	2719	3.4%	Curbside recycling collection, aluminum, glass, newspaper, old corrugated cardboard, old magazines, mixed paper, PET, PVC, HDPE, Tin.		
Buyback centers			Actual tonnage quantity obtained from the Department of Conservation Aggregate Volumes for the City of La Verne 2000. This tonnage only includes Certified Recycling Centers ID RC7858 & RC9489.	Department of Conservation Aggregate Volumes for the City of La Verne 2000 - Report on file at City Hall	
	171	0.2%	California Refund Value: Aluminum, glass, PET, HDPE.		
Drop-off centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (list operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmrb.ca.gov/central/parsis/codes/reduce.htm					
Other Residential recycling <input checked="" type="checkbox"/> (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	2891	3.6%			
Composting					
Green waste drop-off				Actual tonnage quantity obtained from the 2000 Recycling Progress Report provided to the City by Waste Management of San Gabriel/Panoma Valley.	
Curbside green waste			Grass clippings, tree trimmings, yard waste. (Christmas Trees are not included.)		
	3935	5.0%			
Christmas Tree program					
				Actual Christmas tree tonnage quantity obtained from the County Sanitation Districts of Los Angeles County Refuse Disposal Facility Management System for Puente Hills Landfill: Jan-Dec 2000 City of Laverne Report on file at City Hall	
	15	0.0%	Christmas Trees		
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	3950	5.0%			
Subtotal Residential Diversion	6840	8.6%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*	898	1.1%			See Section 9
Other non-Residential source reduction (list each program separately)					

Diversion Activity	Actual tons	Relative Percent to generation	Specific material type(s) (List any)	Specific conversion factor used (if any) and Source	Type of record and location of record
	(A)	(A/Total Generation)	(List any)		
Please use the Board's program types. The program type glossary is online at: http://www.ciwmrb.ca.gov/lqcentral/parris/codes/reduce.htm					
Grasscycling at Public Parks/ Grasscycling Street Medians, Public Facility turf areas and Landscape maintenance districts.				The total area of City parks is 140 acres. The mowable area is 112 acres. For the Street Medians, Library, City Hall and 8 City landscape maintenance districts the additional mowable area is 68.61 acres. The City used 6.5 tons/acre per year from California Turf Grass Culture Cooperative Extention University of California, Volume 46, Nos 1&2 1996.	City Waste Reduction Report:City Parks/City Medians, Library & City Hall grasscycling - 2000. Information on file at City Hall
	1174	1.5%	Turf Grass	City Parks reuses 5 (5 medium-small boxes/mo @ average:1.65lb/box from USEPA = 99lb/yr. City Hall duplex copy 52 reams/yr @5 lb/ream = 260 lb/yr. City Parks reuse 2.5 - 5gallon buckets/month @1.9lb/bucket USEPA =571bs/yr	City Waste Reduction Report:City Parks & City Hall reuse-e-2000. Information on file at City Hall
Container Reuse/ Cardboard & Plastic buckets/ Duplex Copies			Cardboard, Plastic Buckets, White Ledger Paper		City Waste Reduction Report: Asphalt Recycling Report-2000. Information on file at City Hall
	0	0.0%			
Public Works Asphalt Re-use Grasscycling on School District Property	306	0.4%	Asphalt reuse in-place	1.380 lbs/cubic yard from Tellus 6.5 tons/acre/year from California Turf Grass Culture Cooperative Extention University of California, Volume 46, Nos 1&2 1996	City Waste Reduction Report: Asphalt Recycling Report-2000. Information on file at City Hall
	228	0.3%	Grass Clippings		
Subtotal Non-Residential Source Reduction	2606	3.3%			

Diversion Activity	Actual tons	Relative Percentage to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmrb.ca.gov/l/gcentral/paris/codes/reduce.htm	(A)	(A/Total Generation)			
Recycling	3248	4.1%			See Section 9
Non-Residential Waste Audits*					
Other non-Residential recycling (list each program separately)					
Commercial Roll-off diversion			Building Construction and Demolition, High Grade Paper, Old Corrugated Containers, Newspaper.	Actual tonnage quantity obtained from the 2000 Recycling Progress Report provided to the City by Waste Management of San Gabriel/Pomona Valley.	Waste Management of San Gabriel/Pomona Valley-City of Laverne: 2000 Recycling Progress Report. Report on file at City Hall.
Toilet Return Program	150	0.2%		Actual tonnage quantities reported by the City. City obtains information from the toilet recycler. According to information from the Metropolitan Water District, a ceramic toilet weight conversion factor is 80 lbs per toilet. City recycles 500 toilets/yr x 80 lb/toilet = 40,000lbs (20 tons)	City Waste Reduction Report:City Toilet Return Program -2000. Information on file at City Hall.
City Facilities Mixed Paper Recycling/Document Destruction/Phonebooks/Cardboard/ Toner Cartridge	20	0.0%	Porcelain toilets	Actual tonnage quantities reported by the City. City Hall recycles 28,353 lbs of mixed paper per year. (3cy/2wks@363.5/cy). City Parks facilities recycles 2,400 lbs/yr (200 lbs/mo @ 12 mo). Shredded White ledger 2066.24 lbs/yr. Phonebooks-24 lbs/yr. OCC (parks) 2,100lbs/yr. Toner Cartridges-30 lbs/yr	City Waste Reduction Report:Office Paper Recycling -2000. Information on file at City Hall.
Subtotal Non-Residential Recycling	3435	4.3%			
Composting	5284	6.7%			See Section 9
Non-Residential Waste Audits*					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmnb.ca.gov/lqcentral/parts/codes/reduce.htm	(A)	(A/Total Generation)			
Other non-Residential composting (list each program separately)					
Heritage Park Composting				The City has 7 standard compost bins at Heritage Park. 120 cy were composted during 2000. USEPA conversion: 325 lbs compost per one 3 cubic yard container.	City Waste Reduction Report: Heritage Park Composting-2000. Information on file at City Hall.
Wood chipped by City Forces and Re-used as mulch.	7	0.0%	Organic orchard waste-Orange grove at Heritage Park.	Actual tonnage quantity reported by the City. USEPA conversion: 500 lbs per cy. (156 cy/yr x 500 lb/cy =78,000lbs/yr (39 tons/yr)	City Waste Reduction Report: Mulching Program Recycling Report-2000. Information on file at City Hall.
Contract City Arborist-Tree Trimming/Mulch	117	0.1%	Tree Trimmings & Tree Limbs	Actual tonnage quantity reported by the City. (City obtains information from Contracted Arborist).	City Waste Reduction Report:City Arborist Contract Tree Trimmings Mulch-2000. Information on file at City Hall.
Mulch & Wood Chips/Beneficial Use	630	0.8%	Tree Trimmings, Woody Organics.	Actual tonnage quantities obtained from the Orange County Exempt Greenwaste Report-2000.	Orange County Exempt Greenwaste Report-2000. Report on file at City Hall.
Enter program name					
Subtotal Non-Residential Composting	6092	7.7%			
Subtotal Non-Residential Diversion Activities	12133	15.3%			
Residential/Non- Residential ADC				ADC reported on CIWMB Disposal Reporting System is not included. Residential Curbside Greenwaste accounted for in Residential Recycling Composting and Christmas tree recycling program.	
Sludge	0	0.0%			

Diversion Activity	Actual tons	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmmb.ca.gov/lqcentral/parsis/codes/reduce.htm	(A)				
Scrap metal			Old or damaged signs, poles, pipes, meters, and other scrap metals.	Actual tonnage quantities reported by the City. Through a local metal scrap dealer the City recycles its metal sign posts, signs, auto parts, metal shavings, irrigation pipes etc.	City Waste Reduction Report: Scrap Metal Recycling-2000. Information on file at City Hall.. San Management of San Gabriel/Pomona Valleys-City of Laverne: 2000 Recycling Progress Report. Report on file at City Hall.
Construction and demolition	8	0.0%		Actual tonnage quantities obtained from the Orange County Recycled Construction & Demolition Debris Second Quarter-2000. C&D was taken to Dan Copp Crushing by various private entities from the City of La Verne.	Orange County Recycled Construction & Demolition Debris Second Quarter-2000. C&D was taken to Dan Copp Crushing by various private entities from the City of La Verne.
Landfill salvage	20	0.0%	Concrete, Asphalt, Brick	Actual tonnage quantities obtained from the Orange County Recycled Construction & Demolition Debris Second Quarter-2000. C&D was taken to Dan Copp Crushing by various private entities from the City of La Verne.	Orange County Recycled Construction & Demolition Debris Second Quarter-2000. C&D was taken to Dan Copp Crushing by various private entities from the City of La Verne.
Subtotal Residential/Non-Residential diversion	5529	7.0%		Actual tonnage quantities obtained from the Los Angeles County Department of Public Works Environmental Programs Division 2000 Quarterly Reports.	Los Angeles County Department of Public Works Environmental Programs Division 2000 Quarterly Reports.
Total Diversion Tons	5557	7.0%			
Total Disposal Tons from Sec. 7	24530	30.9%			
Total Generation Tons (Div+Dis)	54800	69.1%			

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include material type (e.g. paper recycling, grassrecycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other _____
Paper Manufacturing	71	Cardboard, plastic film, diaper, and pallet recycling and Humus (paper recycling residual) composting	887	5200		6,087.37	7.7%	O
Golf Course	82	Plastic 55-gallon drum recycling and grassrecycling	559	0		558.57	0.7%	O
Printing	78	Mixed paper, cardboard, and pallet recycling		334		333.60	0.4%	O
Miscellaneous Retail	13	Cardboard recycling and reuse of styrofoam peanuts	0	260		260.04	0.3%	O
Retail Clothing	57	Cardboard recycling		234		234.00	0.3%	O
Miscellaneous Retail	86	Cardboard recycling and reuse of toner cartridges	0	228		228.13	0.3%	O
Water District	59	Mixed paper and scrap metal recycling, reuse of pallets and toner cartridges, and tree trimming mulching and composting	0	111	84	195.51	0.2%	O
Grocery Store	89	Cardboard recycling	0	130		130.00	0.2%	O
Pottery Products	42	Scrap metal recycling drums returned, and recycling		93				O
Private High School	35	Mixed paper recycling and 5-gallon bucket		17		95.07	0.1%	O
		Totals		293.72	5,284.32	8,233.12	10.4%	O

Summarize the non-residential diversion activities quantification methodology and applicable conversion factors.

Cardboard Recycling Businesses 71, 78, 13, 57, 86, and 89

Business 71 provided the City with company records for the amount of cardboard recycled.

Business 78 recycles 2 bales/week for normal weeks and 4 bales/week for the 8 week holiday season. Bales were estimated to weigh 500 lbs each.

Business 13 recycles 8 bales/week. Bales were estimated to weigh 500 lbs each.

Business 57 recycles one 30 cubic yard bin once every two weeks. The bins are compacted and a conversion factor of 400 lbs/cubic yard.

Business 86 recycles 2.5 bales/day. The bales were estimated to weigh 500 lbs each.

Business 89 recycles 10 bales/week. the bales were estimated to weigh 500 lbs each.

Plastic Recycling Businesses 71 and 82

Business 71 provided company records for the amount of plastic film that is baled and recycled.

Business 82 provided the number of 55-gallon plastic drums recycled per year. A conversion factor of 23 lbs per drum was used.

Paper and Diaper Recycling Businesses 71, 78, 59, and 35

Business 71 provided the City the amount of weight in damaged diapers that were recycled in 2000 from company records.

Business 78 recycles one roll-off of mixed paper each week. The roll-offs weigh approximately 11,000 lbs each.

Businesses 59 and 35 provided the City with the volume of mixed paper recycled. A conversion factor of 363.5 lbs/cubic yard was used.

Scrap Metal Recycling Business 59 and 42

Businesses 59 and 42 provided the City with the average amount of metal recycled per year.

Pallet Recycling Businesses 71, 78, and 42

Business 71, 78, and 42 provided the City with the average number of pallets recycled each month and the City used a conversion factor of 40 lbs per pallet.

Humus (paper recycling byproduct) Composting Business 71

Business 71 provided the City with company records for the amount of Humus sent to a composting facility (The loads are weighed to be sure that the truck does not exceed the weight limits).

Tree Trimmings and Composting Business 59

Business 59 provided the number of 40 cubic yard bins mulched and composted in 2000. A conversion factor of 527 lbs/cubic yard was used.

Grasscycling Businesses 82 and 35

Business 82 and 35 provided the City with the number of acres that are grasscycled. A conversion factor of 6.5 tons/acre/year was used.

Styrofoam Peanut Reuse Business 13

Business 13 provided company data for the amount of styrofoam peanuts reused in the year 2000.

Toner Cartridge Reuse Businesses 86 and 59

Businesses 86 and 59 provided the number of toner cartridges returned per year. A conversion factor of 2.5 lbs/toner cartridge was used.

Pallet Reuse and Repair Businesses 59 and 42

Business 59 and 42 provided the City with the number of pallets reused or repaired per year. A conversion factor of 40 lbs/pallet was used.

55-Gallon Drum Returned Business 42

Business 42 provided the City with the number of drums returned per year. A conversion factor of 38 lbs/drum was used.

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concreter, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.)

Instead please provide date of Board approval of previously submitted information. (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
 - That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]).
 - The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (**Note**: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Attachment 10

Diversion Programs that Began After January 1, 1990

<u>Restricted Waste Type</u>	<u>Specific Program Name</u>	<u>Year Started</u>	<u>Tonnage</u>
Scrap Metal	Parks Department Metal Recycling	1991	8
Inert Solids	Construction and Demolition	2000	20
Inert Solids	Toilets	1998	20
Inert Solids	Asphalt Reuse Program	1992	306
Inert Solids	Commercial Roll-off (Includes some C&D)	1998	150
Inert Solids	Landfill Salvage	1991	5529
Scrap Metal	Steel drums and scrap metal (Business 11)	1991	3
Scrap Metal	Metal Scrap (Business 18)	1991	42
Scrap Metal	Metal Scrap (Business 20)	1991	0
Scrap Metal	Steel drum recycling (Business 22)	1991	3
Scrap Metal	Metal Scrap (Business 26)	1992	3
Scrap Metal	Metal Scrap (Business 31)	1991	6
Scrap Metal	Metal Scrap (Business 42)	1991	54
Scrap Metal	Metal Scrap (Business 45)	1991	0
Scrap Metal	Steel Drum Return (Business 52)	1991	0
Scrap Metal	Metal Scrap (Business 54)	1992	28
Scrap Metal	Metal Scrap (Business 70)	1991	0
Scrap Metal	Metal Scrap (Business 72)	1991	2
Scrap Metal	Metal Scrap (Business 73)	1991	3
Scrap Metal	Metal Scrap (Business 75)	1991	0

Board Meeting
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Agenda Item
Attachment 2b

Scrap Metal	Metal Scrap (Business 76)	1991	0
Scrap Metal	Metal Scrap (Business 85)	1991	1
Scrap Metal	Metal Scrap (Business 87)	1991	12
Scrap Metal	Metal Scrap (Business 96)	1991	3
Scrap Metal	Metal Scrap (Business 101)	1993	8

Diversion Programs that Began Before January 1, 1990

<u>Restricted Waste Type</u>	<u>Specific Program Name</u>	<u>New Base Year Amount</u>	<u>1990 Amount</u>	<u>Difference</u>
Scrap Metal	Metal Scrap & Pipe Recycling (Business 59)	298.35 tons	225 tons	73.35 tons

Attachment 9 - Business Audit Diversion for the City of Lü Verne

Note: Any staff recommended changes to conversion factors are not reflected in this spreadsheet. The only changes included are staff recommended changes to diversion tonnages. For changes to conversion factors or diversion quantification methodologies please refer to Attachment 3 of the Board Agenda Item.

Survey	Activity	Item	Conversion wt.	Source	Reuse	Recycling	Composting
1	misc. retail	none				0.00	
2	retail carpet	white ledger duplex	5 lb/ream	USEPA		30.00	
3	aircraft rental / flight training	white ledger wood pallet	0.5 lb/wk 40 lb/pallet	Company Data USEPA	26.00 0.00	800.00	
4	repair/sell printers, cartridges	cardboard reused	2.2 lb/med box	USEPA		2,002.00	
	white ledger	duplex	5 lb/ream	USEPA		120.00	
	bubble wrap	reused	36 lb/yr	Company Data		36.00	
	plastic peanuts	reused	2 lb/wk	Company Data		104.00	
	toner cartridge	returned	2.5 lb/cartridge	USEPA		60.00	
5	food service	cardboard recycled	50 lb/cy	USEPA		20,800.00	
	cooking oil	recycled	7.45 lb/gal	USEPA		1,332.66	
6	computer monitor assembly	cardboard white ledger duplex	50 lb/cy 0.01 lb/sheet	USEPA USEPA		14,400.00	
	plastic bags	reused	50 lb/ mo	Company Data		600.00	
7	equipment rental/ leasing	5-gallon drum	recycled/increase over 1990 amount	1.9 lb/bucket	USEPA	4.75	
8	bakery/deli	steel pallet	pallet reuse	40 lb/pallet	USEPA	0.00	4,200.00
	white ledger	scratch paper	5 lb/ream	USEPA		30.00	
	1-gal plastic jug	reused or recycled	0.33 lb/jug	USEPA		51.48	
	3-gal plastic jug	reused or recycled	0.99 lb/jug	USEPA		5.94	
9	ice cream shop	none				0.00	
10	engineering	cardboard reused	2.2 lb/medium box	USEPA		3,432.00	
	toner cartridge		2.5 lb/cartridge				
11	fabricated metal products	return		USEPA	10.00		
	aluminum scrap	recycled	11 lb/cf	FEECO		828.00	
	steel scrap	recycled	61.5 lb/cf	FEECO		3,496.50	
	drums returned	returned	38 lb/drum	www.spill911		760.00	
12	chemical manufacturing	cardboard recycled	100 lb/wk	Company Data		5,200.00	
	wood pallet	repaired/reused	2400yr @40lb/pallet	USEPA		9,600.00	
13	misc. retail	cardboard recycled	850 lb/bale	Ecoteasis/USEPA		520,000 - 544,000	
	wood pallet	reused	40 lb/pallet	USEPA	0.00	3,120	
	plastic crates	replace medium cardboard box	2.2 lb/med box				
	plastic peanuts	reused	78 lb/yr	Company Data		78.00	
14	video rental	none				0.00	
15	termite control	none				0.00	

16	home for disabled adults	5 gallon plastic bucket	recycled	1.9 lb/bucket	USEPA		98.80
17	leasing	none				0.00	
18	grandstand contractor	wood pallet steel tubing/angle alum	repair/reuse recycled	375 pallets/yr 42.3 tons/wk (@11lbs/cut)	USEPA FEECO	15,000.00	
19	restaurant	none				84,656.00	
20	landscaping	phonebook recycled metal scrap aluminum scrap grass plant pots reused wood pallet reused news paper reused for packing toner cartridge returned	4 lb/book 20 lb/mo 30 lb/mo 6.5 tons/acre 0.25lb/pot 72 pallets/year 9 lb/wk 2.5 lb/cartridge	USEPA Company Data Company Data California Turfgrass Study Company Data Company Data Company Data USEPA	40.00 240.00 360.00 156,000.00 2,500.00 0.00 468.00 6.25		
21	church/ school	white ledger scratch paper 5-gal bucket toner cartridge	reused returned reused	5 lb/ream 24 buckets/yr 1.9 lb/bucket 2.5 lb/cartridge 4.5 lug/yr 33lb/jug	USEPA USEPA USEPA USEPA	30.00 45.60 10.00 1.48	
22	agricultural plastic mfg.	55-gal steel drum	returned	11 drums/mo 1lb/drum	www.spill911.com	5,016.00	
		pallet	reused	200 pallets/yr 40lb/pallet	USEPA	0.00	80,000.00
		white ledger	duplex	5 lb/ream	USEPA	520.00	
23	retail garden furniture	cardboard	recycled	50 lb/cv	USEPA	1,800.00	
		pallet	reused	120 pallets/yr 1lb/pallet	USEPA	0.00	4,800.00
		toner cartridge	returned	4 cartridges/yr 1lb/cartridge	USEPA	7.50	
24	business association	white ledger cardboard white ledger	recycled recycled duplex	101.64 lb/yr (Business estimate) 1.1 lb/small box 5 lb/ream	Company Data USEPA		101.64 85.80
		duplex			USEPA	84.00	
25	military research	bubblewrap styrofoam peanuts cardboard white ledger	reused reused reused duplex	960 lb/yr (Business estimate) 640 lb/yr (Business estimate) 2.2 lb/med box 5 lb/ream	Company Data Company Data USEPA USEPA	960.00 640.00 724.00 10.00	
26	spring mfg	metal scrap	recycled (started 1992)	6400 lb/yr (Business estimate)	Company Data		6,400.00

		phone book	recycled	4 lb./book	12.5 lb./yr (Business estimate)	USEPA	Company Data		24.00
		cardboard	recycled			USEPA	USEPA	12.50	
		computer paper	shredded/recycled	24 lb./gallon	12 pallets/ yr 40 lb/pallet	USEPA	USEPA	432.00	
		wood pallet	employees take home	5 lb/ream		0.00	480		
		white ledger	duplex	2.5 lb/cartridge		USEPA	USEPA	20.00	
		toner cartridge	returned	6.27 lb/cy	Tellus	USEPA	USEPA	30.00	
		polystyrene							
		plastic peanuts	reused	86lb/wk					
		glass	recycled	80lb/cf					
									33,647.00
27	restaurant	cooking oil	recycled	7.45 lb/gallon	50 lb/cy	USEPA	USEPA	17,880.00	
		cardboard	stacked						
			recycled						2,400.00
28	church/ school	white ledger	recycled	60 lb/mo (Business estimate)	Company Data	Company Data	Company Data	720.00	
		cardboard	recycled	2.2 lb/med box	USEPA	USEPA	USEPA	88.00	
		phone books	recycled	4 lb/book	USEPA	USEPA	USEPA	4.00	
		cardboard	reused	2.2 lb/med box	USEPA	USEPA	USEPA	88.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	USEPA	USEPA	8.75	
29	veterinarian	cardboard	recycled	5 lb/month (Business estimate)	Company Data	Company Data	Company Data	60.00	
		white ledger	duplex	5 lb/ream	USEPA	USEPA	USEPA	60.00	
30	retail clothing	cardboard	reused	2.2 lb/med box	USEPA	USEPA	USEPA	1,029.60	
		white ledger	scratch paper	5 lb/ream	USEPA	USEPA	USEPA	15.00	
31	machining	scrap metal	recycled	1000 lb/mo (Business estimate)	Company Data	Company Data	Company Data	12,000.00	
		polystyrene		6.27 lb/cy	Tellus 1 cu. Yd.=6.27 lbs.	USEPA	USEPA	36.23	
		plastic peanuts	recycled	40 lb/pallet				2,400.00	
		wood pallet	reused	500 lb/mo (Business estimate)	Company Data	Company Data	Company Data	6,000.00	
		cardboard	reused	2.5 lb/cartridge	USEPA	USEPA	USEPA	5.00	
		toner cartridge	returned						
32	plumbing valve mfg	cardboard	reused	225 lb/wk (Business estimate)	Company Data	Company Data	Company Data	11,700.00	
33	plant nursery	compost		500 lb/yr (Business estimate)	Company Data	Company Data	Company Data	500.00	
		wood pallet	returned	50 pallets/yr, 40 lb/pallet	USEPA	USEPA	USEPA	0.00	2,000
		crate	reused	20 lb/crate	Company Data	Company Data	Company Data	2,001.00	
34	plastic mfg	pallet	repaired/recycled	Reused 78 pallets/yr, Recycled 130 pallets/yr, 40 lb/pallet	USEPA	USEPA	USEPA	3,120.00	5,200.00
		white ledger	reused as scratch paper	0.01 lb/sheet	USEPA	USEPA	USEPA	3.90	
		plastic scrap	recycled	6.5 gaylords full/mo	Company Data	Company Data	Company Data	39,000.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	USEPA	USEPA	5.00	
35	private high school	mixed paper,		872.4lbs/mo(9 months)	USEPA	USEPA	USEPA		
		loose	recycled	363.5/cy	1996 Ca. turfgrass study	1996 Ca. turfgrass study	1996 Ca. turfgrass study	156,000.00	34,024.00
		grass	grasscycling	6.5 tons/acre/yr					

		5-gal bucket	reused	1.9 lb/bucket	USEPA	114.00
36	stone contractor	wood pallet	reused/returned	40 lb/pallet	USEPA	60,200.00
	computer	donated		56 lb/computer, monitor	USEPA	0.00
	toner cartridge	returned		2.5 lb/cartridge	Company Data	50.00
	white ledger	paper to electronic conv.		550 lb/yr (Business estimate)	Company Data	550.00
	white ledger	reused as scratch	10 reams/yr	5 lb/ream	USEPA	50.00
37	machining	white ledger	recycled	32 lb/mo (Business estimate)	Company Data	384.00
	cardboard	reused		1.65 lb/small,medium box	USEPA	3,003.00
	bubblewrap	reused		10 lb/yr (Business estimate)	Company Data	10.00
	styrofoam peanuts	reused		10 lb/yr (Business estimate)	Company Data	10.00
38	airplane electrical service	white ledger	duplex	5 lb/ream	USEPA	2,160.00
		bubble wrap	reused	104 lb/yr (Business estimate)	Company Data	104.00
	polystyrene plastic peanuts	reused		30 lb/yr (Business estimate)	Company Data	30.00
	5-gal buckets	reused		1.9 lb/bucket	USEPA	5.70
	phonebooks	recycled		4lb/book	USEPA	16.00
39	tool mfg	white ledger	recycled	5 lb/ream	USEPA	30.00
	wood crates	repaired/reused		65 crates/yr (Business estimate)	Company Data	700.00
	newspaper	reused for packing		240 lb/yr (Business estimate)	Company Data	240.00
	5 gallon plastic bucket	reused		1.9 lb/bucket	USEPA	68.40
	toner cartridge	returned		2.5 lb/cartridge	USEPA	11.25
40	fabric importer	cardboard	reused	22.5 lb/wk (Business estimate)	Company Data	1,170.00
	wood pallet	repaired		40 lb/pallet	USEPA	320.00
	computer	donated to schools		56 lb/system	USEPA	0.00
41	fire suppression	wood pallet	fire suppression practice	20 tons/yr (Business estimate)	Company Data	0.00 -40,000
42	pottery products	wood pallet	repaired/recycled	40 lb/pallet	USEPA	36,000 -9,00
	scrap metal	recycled		2 tons/yr (Business estimate)	Company Data	108,720.00
	55 gal drum	returned		38 lb/drum	spill911.com	152.00
43	medical supplies	cardboard	recycled	1040 boxes/ yr 2.2 lb/med box	USEPA	2,288.00
	wood pallet	recycled		156pallets/yr, 40 lb/pallet	USEPA	6,240.00
	white ledger	reused as scratch paper		28 lb/mo (Business estimate)	Company Data	336.00
	toner cartridge	returned	6.5mo	2.5 lb/cartridge	USEPA	195.00
	styrofoam peanuts	reused		135 lb/yr (Business estimate)	Company Data	135.00

44	aircraft maint/ sales	none						
45	plumbing	cardboard recycled scrap metal recycled computer paper recycled wood pallet reused	6795 lb/yr (Business estimate)	Company Data USEPA USEPA	6,795.00 679.50 150.00			
	office equipment	donated	1000 lb (Business estimate)	Company Data	0.00	2,800		
	5-gal plastic bucket	reused	1.9 lb/bucket	Company Data	0.00			
46	fabric store	none		USEPA	0.00			
47	Restaurant	cooking oil recycled beer bottle recycled	7.45 lb/gal 5.31lb 96 bottles/wk	USEPA USEPA	44,700.00 0.00			
	Liquor Bottles	recycled	1.08/bottle	USEPA	5,392.00			
	wine bottle	recycled	84 bottles/wk 1lb/bottle	USEPA	4,717.00			
	cardboard	recycled	3ft stack 2x/wk 1b/cv	USEPA	5,200.00			
	5 -9 gallon plastic bucket	reused	100 buckets/yr 1.9lb/bucket	USEPA	190.00			
	1-gal jug	reused	200 jugs/yr 1lb/jug	USEPA	66.00			
48	Car Wash	white ledger duplex	50 lb/case	USEPA	325.00			
49	City Hall	Items included in Sec II						
50	Parks & Recreation	Items included in Sec II						
51	County Library	newspaper recycled phonobook cardboard reused	3,600papers 1.16 1lb/paper/day 4 lb/book 2.2 lb/med box	EcoTelsis USEPA USEPA	4,176.00 40.00			
	books	donated	2000 books/ yr 1 1lb/book	Company Data	5,720.00			
	white ledger	reused	50 lb/case	USEPA	2,000.00			
					100.00			
52	Recreational Facility	cardboard recycled office paper recycled white ledger recycled 55 - gal steel drum recycled	2.2 lb/medium box 5 lb/ream 50 lb/case 38 lb/drum 1.9 lb/bucket	USEPA USEPA USEPA spill911.com	2,688.40 90.00 900.00 190.00 3.80 1.65			
	1 gal jug	reused	33 lb/lqg	USEPA				
53	Boy's home / school	cooking oil cardboard furniture donations grasscycling	410 lb/55 gal drum full 50 lb/cv 7800 lb/yr (Business estimate) 6.5 tons/acre/year	USEPA USEPA Company Data (California Turfgrass Study)	4,920.00 2,600.00 0.00 2,990.00			

		white ledger	duplex	5 lb/ream	USEPA	60.00
		white ledger	reused as scratch	5 lb/ream	USEPA	60.00
54	Air Conditioning	steel scrap	recycled (started 1992)	450 lb/mo (Business estimate)	Company Data	54,000.00
		aluminum scrap	recycled (started 1992)	100 lb/mo (Business estimate)	Company Data	1,200.00
		copper scrap	recycled (started 1992)	100 lb/mo (Business estimate)	Company Data	1,200.00
		wood pallet	reused	40 lb/pallet	USEPA	2,000.00
55	Restaurant	5 gallon plastic bucket	reused	1.9 lb/bucket	USEPA	197.60
		cooking oil	recycled	7.45 lb/gal	USEPA	4,172.00
56	Plastic Injection Molding	wood pallet	returned	30 pallets/mo	USEPA	0.00
		wood pallet	Recycled	10 pallets/week	USEPA	0.00
57	Retail Clothing	cardboard	recycled	400 lb/cy (compacted)	USEPA	20,800.00
		wood pallet	reused	200 pallets/yr	USEPA	468,000 238,000
		clothing to salvage	reused	82,125 lb/yr (Business estimate)	USEPA	0.00 -8,000
		miscellaneous items to salvage	reused	54,750 lb/yr (Business estimate)	Company Data	0.00
58	HVAC installation	phonebook	recycled	4 lb/book	USEPA	24.00
59	Water dist/ gov agency	mixed paper	recycled	363.5 lb/cy	USEPA	74,851.92
		metal scrap	recycled	500 tons/yr (Business estimate)	Company Data	146,700 -1,000,000
		wood pallet	reused	15 pallets/yr	USEPA	600.00
		computer systems	donated to schools	600 units/yr	USEPA	0.00
		toner cartridge	returned	2.5 lb/cartridge	USEPA	220 -5,900
		wood chips	reused on site	2000 lb (Business estimate)	Company Data	0.00 2,000
60	Retail Clothing	cardboard	recycled	4 lb/large box	USEPA	168.640 -0.00
61	Bakery	none				15,600.00
62	Computer Systems	cardboard	recycled	40cy/wk	USEPA	104,000.00
		wood pallet	reused	40 lb/pallet	USEPA	0.00 -52,000
		toner cartridge	returned	2.5 lb/cartridge	USEPA	60.00
63	Shipping	mixed paper	recycled	42.35 lb/55 gallon container full	USEPA	254.10
		white ledger	duplex	50 lb/case	USEPA	150.00
64	Engineering	paper	shredded/recycled	5 lb/ream	USEPA	30.00
		steel drum	returned	4 drums/yr, 38 lb/drum	www.spill911.com	0.00 -304
		wood pallet	reused	40 lb/pallet	USEPA	40.00

		cardboard	reused	2.2 lb/med box	USEPA	39.60
		5 gallon plastic bucket	reused	1.9 lb/bucket	USEPA	22.80
		plastic drink bottles	reused	.05 lb/bottle	USEPA	13.00
				4 tons/yr \$60/ton 4times/yr	Company Data	8,000.00
65	Plastic Mfg	cardboard	recycled	3 pallets/week 40	USEPA	
		wood pallet	broken pallets recycle			
				27.5 boxes/wk 2.2 lb/med box	USEPA	
		cardboard	recycled	367 cases 12oz case @22lbs	USEPA	
		glass bottles	recycled			
		# 10 can	reused	0.77 lb/can	USEPA	73.92
				100/yr 40	USEPA	
		wood pallet	reused	1lb/pallet	USEPA	
		toner cartridge	returned & recycled	2.5 lb/cartridge	USEPA	1,188.00
		polystyrene packaging	reused	1.5 lb/33 gal full	USEPA	
		compacted cardboard	recycled	400 lbs/cy	USEPA	78.00
				500 lb/day (Business estimate)	Company Data	194,913.00
67	Office Supplies	cardboard	recycled	200 pallets/yr 40	USEPA	
		wood pallet	repair/reuse	1lb/pallet	USEPA	
		55-gal plastic drum	recycled	10/lb/drum	spill911.com	960.00
		toner cartridge	returned	2cartridges/mo 2.5 lb/cartridge	USEPA	60.00
				0.5	USEPA	0.00
69	Plastic Pipe/Fittings Distr.	glass bottles	recycled	80 sm bxs/day 1.1 lb/small box	USEPA	
		cardboard	reused	21cartridges/yr 2.5 lb/cartridge	USEPA	22,880.00
		toner cartridge	returned			
				100 reuse/50 recycle 40 lb/pallet	USEPA	
70	Injection Mold Mfg.	wood pallet	reused/scavenged	45.3 lb/yr (Business estimate)	Company Data	453.00
		scrap metal	recycled	0.01 lb/sheet	USEPA	
		white ledger duplex		10 lb/drum	www.spill911.com	250.00
		30 gal poly drums	reused	2.5 lb/cartridge	USEPA	5.00
		toner cartridge	returned			
				800 lb/bale (Business estimate)	Company Data	514,600 1,040,900
71	Paper Mfg.	plastic film	recycled	2 tons/day (Business estimate)	Company Data	
		cardboard	recycled	100/wk solid-recycler 40 lb/pallet	USEPA	246,200 1,040,900
		pallets	recycled	Actual weights from company records	Company Data	235,140 -208,900
		Diapers	recycled			778,800 -6,900

			Actual weights from company	Company Data	
		Humus composted	records		
72	Automotive Retail	automobile tires recycled	20 lb/tire 850 lb/bale	USEPA Ecotelesis/USEPA	14,200 498,200 44,200.00
		cardboard recycled	250 lb/mo (Business estimate) 1.1 lb/small box	Company Data	3,000.00
		metal shavings recycled			
		plastic crates replace med. cardboard reused	250 lb/week (Business estimate)	USEPA	
		damaged goods returned not disposed	2 pallets/week 40 lb/pallet	Company Data	13,000.00
		wood pallet toner cartridge returned	2.5 lb/cartridge 2.5 lb/pallet	USEPA USEPA	0.00 2,860 0.00 -4,160 7.50
73	Auto Sales	cardboard recycled	50 lb/cy 500 lb/mo (Business estimate)	USEPA	41,666.56
		scrap metal recycled	10in/week 12-in stack @3slbs	Company Data	6,000.00
		Newspaper recycled		USEPA	1,517.00
74	Misc. Retail	cardboard recycled	850 lb/bale 25.41 lb/33 gal	Ecotelesis/USEPA USEPA	96,000 524,200 2,642.64
		office paper recycled	80 pallets/yr, 40 lb/pallet	USEPA	0.00 -3,200
		wood pallet reused			
		cardboard recycled	2.2 lb/med box 2.21 lb/can	USEPA USEPA	
		5 gal metal paint can recycled			8,580.00 229.84
75	Print Shop		150 lb reus: 15/d rec2.2 lb/med box	USEPA Ecotelesis	
		cardboard recycled	1.16 lb/paper	Company Data	85,800.00 1,113.60
		newspaper recycled	4160 lb/yr (Business estimate)		
		white ledger recycled	13 lb/day (Business estimate)	Company Data	4,160.00
		paper shredded/reused			
		wood pallet reused	40 lb/pallet 104 lb/yr (Business estimate)	USEPA	0.00 -4,160
		bubble wrap toner cartridge recycled	2.5 lb/cartridge	Company Data USEPA	104.00 21.50
		Metal scraps recycled	1-55 gall drum /yr 226.5ib/drum	USEPA	
					226.50
77	Drug Store	wood pallet recycled	56Pallets/yr, 40 lb/pallet	USEPA	0.00 -2,240
		cardboard recycled	2.2 lb/med box	USEPA	2,002.00
		toner cartridge recycled	2.5 lb/cartridge	USEPA	30.00
78	Printing	mixed paper recycled	24 tons/mo 50 lb/cy	Company Data USEPA	576,000.00 43,200 2,600

			Reused-300 pallets/mo are reused; paper comes in on pallets and is bound into books and sent to point of sale or publisher not back to printer. Recycled-100 pallets/mo recycled by recycler 40 lb/pallet	USEPA	0.00 -144,000	48,000.00
79	Drug Store	cardboard wood pallet plastic pallet crate 5 gallon plastic bucket	recycled reused reused replaces cardboard reused	850 lb/bale 42 pallets/yr 40 lb/pallet 42 pallets/yr 40 lb/pallet 2.2 lb/medium box 1.9 lb/bucket	EcoTelesis/USEPA USEPA USEPA USEPA USEPA	60,000 -1,680 0.00 4,160 0.00 22,880 0.00 -45,60
80	Equipmt Dist.	phonebook computer paper cardboard white ledger newspaper styrofoam peanuts bubble wrap toner cartridge	recycled recycled recycled recycled	12 books/ yr. 4 lb/book 6 cases/month 50 lb/case 4 lb/large box 5 lb/ream 52 papers, 1.16 lbs/paper/day	USEPA USEPA USEPA USEPA	16,00 3,600.00 480.00 1,600.00
81	Senior Apartments	none		3 lb/wk (Business estimate)	EcoTelesis	60,32
82	Golf Course Maintenance	55 gal plastic drum	recycled	3 lb/wk (Business estimate)	Company Data	156.75
		pallets	reused	3 lb/wk (Business estimate)	Company Data	156.00
		grass	grasscycling	2.5 lb/cartridge	USEPA	60.00
82.1	Restaurant	cardboard computer paper 5 gal bucket 1 gal plastic jug wood pallet	recycled recycled recycled recycled returned	23 lb/drum 90 acres, 6.5 tons/acre/year 4cy/wk 52 cases/yr 102 buckets/yr 182 jugs 10 pallets/ yr 40 lb/pallet	spill911.com 1996 ca turfgrass study USEPA USEPA USEPA USEPA USEPA	138.00 1,117,000.00 0.00 4,800
83	Carpet/Flooring Sales and Install	carpet & padding, loose cardboard wood pallet	recycled recycled recycled	84.4 lb/cubic yard 50 lb/cy 208/yr	Telus USEPA USEPA	119,264.00 6,500.00 8,320.00
84	Computer Supply	cardboard	recycled	40 lb/wk (Business estimate)	Company Data	2,080.00

		cardboard	reused	25 lb/wk (Business estimate)	Company Data	1,300.00	
		bubble wrap	reused	4 lb/day (Business estimate)	Company Data	1,040.00	
		toner cartridge	returned	20 cartridges/yr 2.5 lb/cartridge	USEPA	50.00	
		white ledger	duplex	78 reams/yr 5 lb/ream	USEPA	390.00	
85	Metal Plate Mfg.	cardboard	recycled	50cy/week 50 lb/cy	USEPA		
		mixed paper	recycled	363.5 lb/cy 1 ton/yr (Business estimate)	Company Data	130,000.00	
		stainless steel plating (since 1990)	recycled	400 pallets/ yr 40 lb/pallet	USEPA	56,706.00	
		pallets	returned	24 cartridges/mo 2.5 lb/cartridge	USEPA	0.00 -46,000	
		toner cartridge	returned	8.5 bales/wk 850 lb/bale	USEPA	2,000.00	
86	Misc. Retail	cardboard	recycled	3.5 cartridges/yr 2.5 lb/cartridge	USEPA	456,260 375,700	
		toner cartridge	recycled	90 pallets/yr 40lb/pallet	USEPA	8.75	
		pallets	reused	12 tons/yr (Business estimate)	Company Data	24,000.00	
87	Metal Furniture Mfg.	scrap metal	recycled	180pallets/yr 40 lb/pallet	USEPA	0.00 -3,600	
		wood pallet	reused	3cy/wk 50 lb/cy	USEPA	7,800.00	
88	Restaurant	cardboard	recycled	10 bales/wk 850 lb/bale	USEPA		
89	Grocery Store	cardboard	recycled	153/yr 40 lb/pallet	USEPA	442,000.00	
90	Church	plastic pallet	reused	50 lb/case	USEPA	0.00 -6,120	
		paper	reused as scratch paper	360 boxes/wk 2.2 lb/med box	USEPA	1,300.00	
91	Bookstore	cardboard	recycled	3.5 lb/day (Business estimate)	Company Data	40,040.00	
		news paper	recycled	52pallets/yr 40 lb/pallet	USEPA	1,120.00	
		wood pallet	reused	2.5 lb/cartridge	USEPA		
		toner cartridge	returned	60 lb/yr (Business estimate)	Company Data	130.00	
		white ledger	reused as scratch paper		60.00		
92	Purchasing	cardboard	recycled	50 lb/cy 450lb/yr (Business estimate)	USEPA	16,000.00	
		newspaper	recycled	100 books/yr 4lb/book	Company Data	4,550.00	
		Phonebooks	recycled	3900 lb/yr (Actual \Weight)	USEPA	400.00	
		stretch wrap	recycled	42.35 lb/55 gal	Company Data	28.80	
		mixed paper	recycled		USEPA	13,552.00	

	Shredded Paper	recycled	2250 lbs/yr (Actual Weight)				2,250.00
	furniture donation	donated	15600 lb/yr (Actual Weight) Each year truckloads of furniture and computers are donated.	Company Data	15,600.00		
	pallets reused	reused	40 lb/pallet	USEPA	0.00 -800		
	scratch paper reused as scratch paper	reused as scratch paper	40 lb/yr (Actual Weight)	Company Data	40.00		

93	Admissions	shredded paper white ledger recycled	0.24 lb/gal 5 lb/ream	USEPA USEPA		1,560.00 260.00
	phonebook	recycled	2 phonebooks/yr	4 lb/book	USEPA	8.00
	on-line catalog on-line applications	replaces catalogs mailed	25 lb/catalog (Business estimate) .01 lb/sheet	Company Data		25.00
	plastic packaging reuse toner cartridge totes replace medium cardboard box	reused returned reused	5 lb/yr (Business estimate) 2.5 lb/cartridge 2.2 med box	USEPA Company Data USEPA		104.00 5.00 30.00
94	Library	phonebook white ledger recycled wood pallet magazine white ledger toner cartridge	250 phonebooks/yr 5 lb/ream 70 pallets/yr Actual Weight 1000 lbs 5 lb/ream 2.5 lb/cartridge	USEPA USEPA USEPA Company Data USEPA		0.00 44.00
95	Maintenance	mixed paper cardboard mattress white ledger	4 lb/large box Actual Weight 450 5 lb/ream	363.5 USEPA Company Data USEPA		1,000.00 520.00 0.00 2,800.00 1,000.00 780.00 25.00
96	Machine Shop	steel shavings alum shavings newspaper	40 lb/wk (Business estimate) 80 lb/wk (Business estimate) 15 lb/wk (Business estimate)	Company Data Company Data Company Data		31,804.00 10,400.00 0.00 -450 50.00
97	Electronics	cardboard white ledger white ledger	30 boxes/wk 2.2 lb/med box 104 cases/wk 50 lb/case 5 lb/ream	USEPA USEPA USEPA		780.00 3,432.00 5,200.00 130.00
98	Wholesale Grower	55 gal steel drum	Receives 20 pallets/mo. Repairs 30 pallets/mo repair and ship merchandise out. 360 pallets/yr repaired. 40 lb/pallet 24 drums/yr			14,400.00 180 cartridges/yr 2.5 lb/cartridge
99	Retail Music	toner cartridge none	www.spill911.com			0.00 -842 450.00 0.00 0.00

100	Printing Machines	large pallet reused	i air s ⁿ Pallet: 120 lb/pallet (Business estimate) 3.5 pallets/week=21840lbs/yr. Merchandise shipped out on pallets.	Company Data	0.00	24,840		
		wood pallet reused	4.5 pallets/wkr. Merchandise shipped out on pallets. 40 lb/pallet	USEPA	0.00	9,360		
		styrofoam kernels	78 lb/yr (Business estimate)	Company Data	78.00			
101	Manufacturing	Metal recycled (started 1993)	15298 lb/yr (Business estimate)	Company Data		15,298.00		
		wood crate reused	720 lb/yr (Business estimate)	Company Data	720.00			
		wood pallet reused	120 pallets/yr 40 lb/pallet	USEPA	4,800.00			
		toner cartridge returned	2.5 lb/cartridge	USEPA	6.25			
			Total Pounds		1,796,567.89	2,261,508.99	6,196,697.16	8,826,467.16
			Total Tons		898.28	1,130.75	3,248.35	4,443.23
							5,234.32	9.00